

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L10   | 130  | (field adj emission)and(extraction adj electrode)   | FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                                  | OR               | ON      | 2006/12/01 17:01 |
| L11   | 396  | ((field adj (emit\$3 emission))FED)and(graphene)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/01 17:03 |
| L12   | 262  | ((field adj (emit\$3 emission))FED. U/C.)and(graphene)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/12/01 17:03 |
| S1    | 671  | (445/50).CCLS.  | USPAT;<br>USOCR  | OR               | OFF     | 2005/08/04 08:03 |
| S2    | 1    | ("6400091").PN.   | USPAT;<br>USOCR  | OR               | OFF     | 2005/08/01 15:36 |
| S3    | 1    | "20020031972"   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2005/08/02 09:53 |
| S4    | 1    | "10799859"  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2005/08/02 09:53 |
| S5    | 1    | "20020009637"   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2005/08/02 13:44 |
| S6    | 1501 | (313/309).CCLS.   | USPAT;<br>USOCR  | OR               | OFF     | 2005/08/03 08:57 |
| S7    | 1706 | (313/311).CCLS.   | USPAT;<br>USOCR  | OR               | OFF     | 2005/08/03 08:57 |
| S8    | 1426 | (445/49-51).CCLS.   | USPAT;<br>USOCR  | OR               | OFF     | 2005/08/03 08:57 |
| S9    | 3085 | (S6 S7 S8)  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2005/08/03 09:07 |
| S10   | 136  | S9 AND (nano\$tube)   | US-PGPUB;<br>USPAT   | OR               | OFF     | 2005/08/03 09:08 |
| S11   | 153  | S9 AND (nano\$tube graphene nano\$particle nano\$filament nano\$rod nano\$whisker nano\$structure SWNT CWT MWNT (nano near3 (filament fiber fibre rod wire tube tubular structure particle))) | US-PGPUB;<br>USPAT   | OR               | OFF     | 2006/12/01 17:01 |

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|     |    |   |                    |    |     |                  |
|-----|----|---|--------------------|----|-----|------------------|
| S13 | 5  | ((("6624589") or ("6628053") or ("6626719") or ("6087765") or ("5872422")).PN.  | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 14:20 |
| S14 | 7  | "20020060516" "20020031972"<br>"20020057045" "20020047513"<br>"20030006684" "20030048055"<br>"20030057860"  | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/03 14:40 |
| S15 | 10 | ((("4728851") or ("4904895") or ("5986389") or ("6147449") or ("6171162") or ("6184610") or ("6231413") or ("6246168") or ("6288494") or ("5982091")).PN.   | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 14:47 |
| S16 | 7  | ((("5773921") or ("5973444") or ("5935639") or ("4956578") or ("5185554") or ("6448709") or ("6204597")).PN.  | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 15:02 |
| S17 | 6  | ((("5577943") or ("5192240") or ("5214346") or ("5382867") or ("5612587") or ("6313572")).PN.   | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 15:05 |
| S18 | 1  | "20020136896"   | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/03 15:08 |
| S19 | 2  | ((("6135839") or ("6420726")).PN.   | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 15:11 |
| S20 | 20 | ((("6472814") or ("5847495") or ("5066883") or ("6455021") or ("6471936") or ("6283812") or ("4816289") or ("5443859") or ("5618875") or ("5690997") or ("6129602") or ("6228904") or ("6333016") or ("6413487") or ("6445006") or ("5981305") or ("6290564") or ("5458784") or ("6331690") or ("5965267")).PN. | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 15:21 |
| S21 | 9  | ((("6390612") or ("5872541") or ("5543684") or ("5551903") or ("4900483") or ("5500200") or ("5726524") or ("5770918") or ("5185554")).PN.  | USPAT;<br>USOCR    | OR | OFF | 2005/08/03 15:27 |
| S22 | 1  | "20020009637"   | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/03 15:27 |
| S23 | 1  | "20020047562"   | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/03 15:31 |
| S24 | 1  | "20020146958"   | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/03 15:31 |
| S25 | 1  | "20030048056"   | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/03 15:30 |
| S26 | 1  | "04212236".pn.  | JPO                | OR | OFF | 2005/08/04 08:06 |
| S27 | 1  | "03295131".pn.  | JPO                | OR | OFF | 2005/08/04 08:07 |

## EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| S28 | 1   | "05159696".pn.   | JPO                          | OR | OFF | 2005/08/04 08:08 |
| S29 | 1   | "05198253".pn.   | JPO                          | OR | OFF | 2005/08/04 08:08 |
| S30 | 1   | "11232997".pn.   | JPO                          | OR | OFF | 2005/08/04 08:09 |
| S31 | 1   | "10289650".pn.   | JPO                          | OR | OFF | 2005/08/04 08:09 |
| S32 | 66  | ("20010006232"   "20020009593"  <br>"20020009637"   "20020031972"  <br>"20020047562"   "20020060516"  <br>"20020136896"   "20020146958"  <br>"20030048056"   "20030222560"  <br>"4728851"   "4816289"   "4900483"<br>  "4904895"   "4956578"  <br>"5066883"   "5185554"   "5192240"<br>  "5214346"   "5382867"  <br>"5443859"   "5458784"   "5500200"<br>  "5543684"   "5551903"  <br>"5577943"   "5612587"   "5618875"<br>  "5690997"   "5726524"  <br>"5770918"   "5773921"   "5847495"<br>  "5872422"   "5872541"  <br>"5935639"   "5965267"   "5973444"<br>  "5981305"   "5982091"  <br>"5986389"   "6087765"   "6129602"<br>  "6135839"   "6147449"  <br>"6171162"   "6184610"   "6204597"<br>  "6228904"   "6231413"  <br>"6246168"   "6283812"   "6288494"<br>  "6290564"   "6313572"  <br>"6331690"   "6333016"   "6390612"<br>  "6400091"   "6413487"  <br>"6445006"   "6448709"   "6455021"<br>  "6471936"   "6472814"  <br>"6624589").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/06/22 15:53 |
| S33 | 8   | ("4041346"   "4272699"   "4301369"<br>  "5395774"   "5583393"  <br>"5726524"   "5773921"  <br>"5872422").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/06/22 16:00 |
| S34 | 34  | ("6445006").URPN.  | USPAT                        | OR | ON  | 2006/06/22 16:11 |
| S35 | 1   | ("6400091").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/06/22 16:12 |
| S36 | 500 | (field adj emission)and(extraction<br>adj electrode)   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/12/01 17:01 |